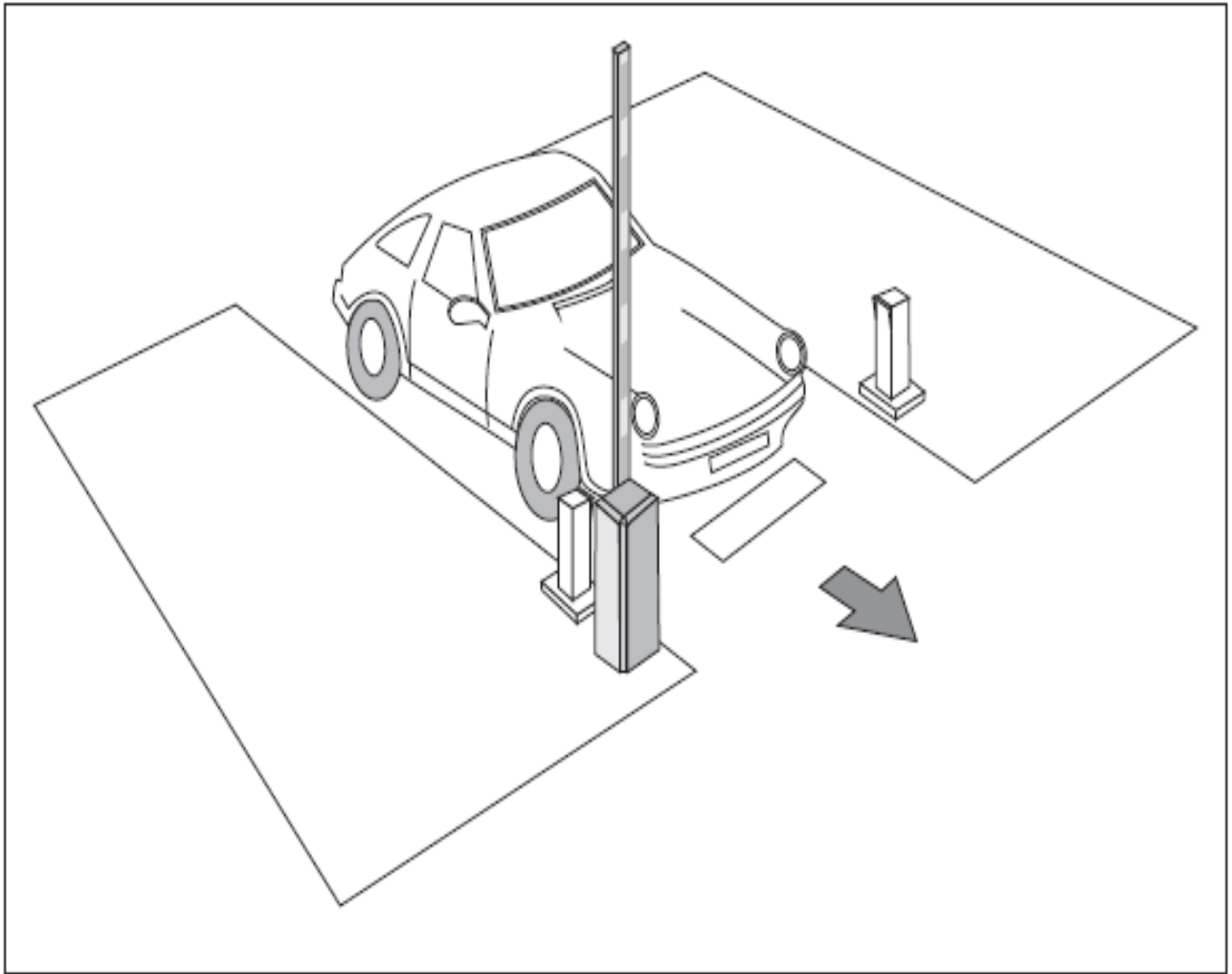




# **USER'S MANUAL**

## **AUTO BARRIER SYSTEM**



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MADE IN KOREA

## **SAFETY INSTRUCTION:**

**Before to proceed to barrier installation, please read this safety instruction manual carefully to avoid any damage, or injury.**

- Please check if all accessories such as control box, boom, and main body of barrier cabinet are free from any damage or physical defects.
- During installation, make sure the main power is shut-off.
- The cabinet body must be properly grounded.
- We suggest using cable with minimum of 1.5mm<sup>2</sup> or flat wires atleast gauge 16.
- Do not dismantle the original wiring or set-up without proper noticed from the distributor.
- If during power fail off, please switch off the power supply first, then open the cabinet and release the handle manually to open the barrier boom at top position.
- Please install the release button at secure area to avoid any accident. It should be installed out of reach of children.
- Do not operate the remote control if you cannot see the status of barrier. Please secure the wireless remote control to secured area or designated personnel only.
- Please don't open the cabinet door if the barrier is at working state.
- The users must installed safety devices such as loop vehicle detector, or photocells to avoid accidents. It is the responsibility of the clients since we insist the safety devices at the start.
- The client must inform the users to not stay at barrier drop zone area, and must designate proper staying areas, and proper distance from the barrier.
- The client will provide UPS or AVR to stabilize the power supply source to avoid motor damage due to power fluctuation, surges currents, short circuit, etc.

### **WIRELESS REMOTE CONTROL CODE SETTINGS:**

- Press “ Learn Button”, and the learn LED lights.
- Press the button on the transmitter until the LEARN LED flash and off.
- Coding is successful; please try the coded remote control to test it.
- Please program other transmitter based on above procedure.

### **WIRELESS REMOTE CONTROL CODE DELETING:**

- Press “ Learn Button”, and hold on until the LEARN LED light switch off.
- Now, deleting is successful.

### **WARRANTY:**

**The barrier is still under warranty if the following conditions are still intact:**

- The warranty void sticker is not damage or altered;
- There is no sign of mis-used, tampered, improper installation, damage caused by fire, power interruption, surge current, riot, natural calamities and any acts of Nature.
- Kindly inform us not later than 7 days from the date of purchased, if found no warranty sticker attached during acceptance of the purchased item/s. Any claim outside that period is not covered and not entitled to any warranty parts & services.
- For details, you may contact the authorized agent/distributor, “HI-R Technology and Service Co.”

### **DISTRIBUTOR INFORMATION:**

**HI-R Technology and Service Co.**

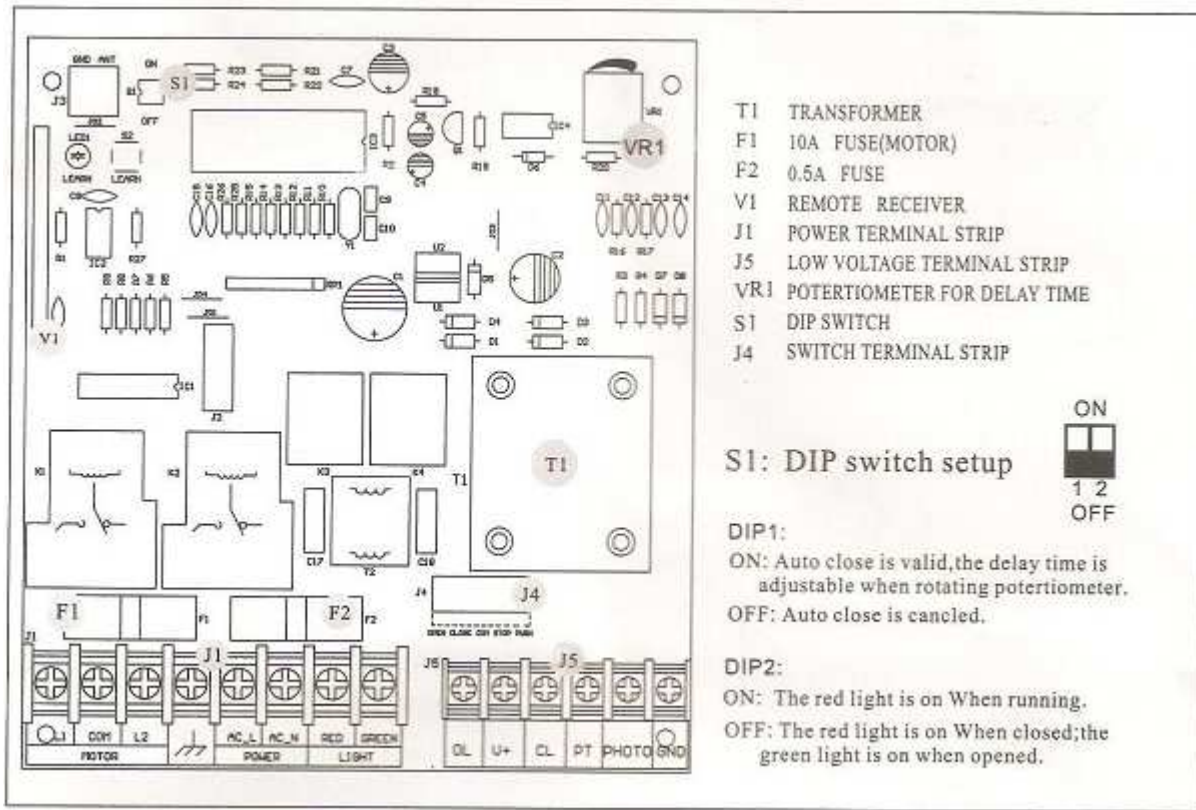
**2<sup>nd</sup> Floor Alba Bldg., Km. 21 West Service Road,  
Cupang, Muntinlupa City**

**Email: [hir.main@gmail.com](mailto:hir.main@gmail.com)**

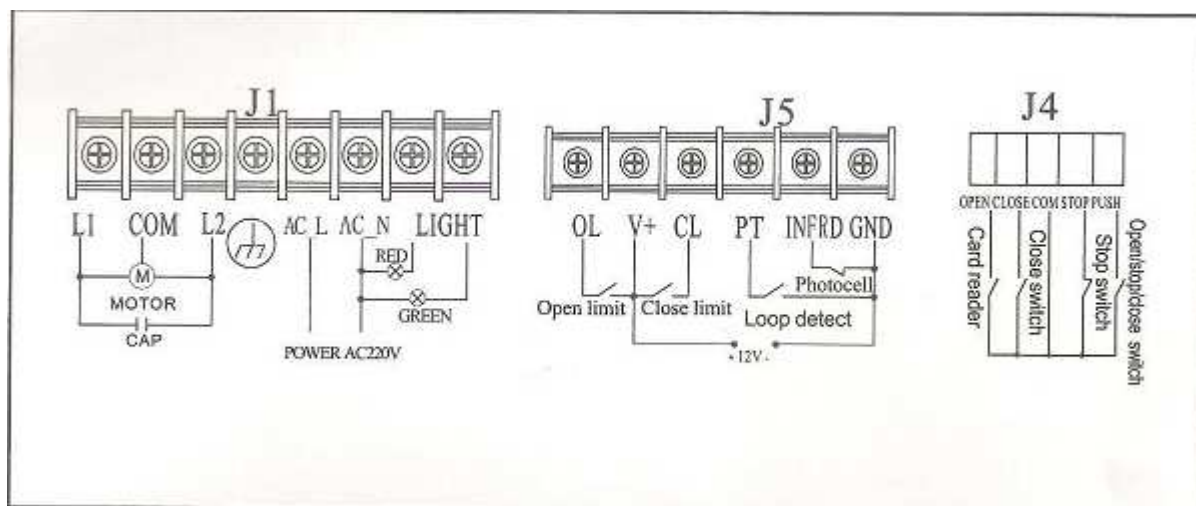
**Tel. No.: 02-7722766/65**

**Contact: Technical Department**

## MAIN CONTROL CIRCUIT BOARD:



## DETAILED DIAGRAM:



## TECHNICAL SPECIFICATIONS:

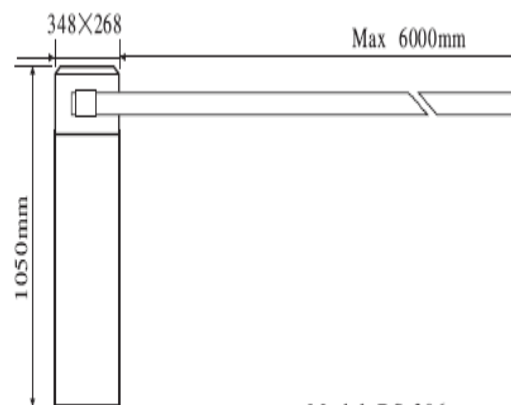
### ➤ **Model: HI-R 805AB3**

- Power type: 220VAC 50/60 Hz
- Motor Power: 90Watts
- Maximum accessory loads: 200mA
- Motor rotation speed: 2,800RPM
- Running Type: 3seconds
- Boom length: 3M /4M
- Number of spring: 1 spring/2 springs
- Temperature: -20 degrees to 70 degrees Centigrade

### ➤ **Model: HI-R 805AB6**

- Power type: 220VAC 50/60 Hz
- Motor Power: 90Watts
- Maximum Accessory loads: 200mA
- Motor rotation speed: 2,800RPM
- Running Type: 6 seconds
- Boom length: 6M
- Number of spring: 3 springs
- Temperature: -20 degrees to 70 degrees Centigrade

## FIG.1 and 2 -TECHNICAL DIEMENSIONS:



## BALANCE SPRING ADJUSTMENT:

### *ADJUSTING THE BALANCE SPRING*

IMPORTANT: The barrier is supplied already balanced for the exact beam length specified in the order.

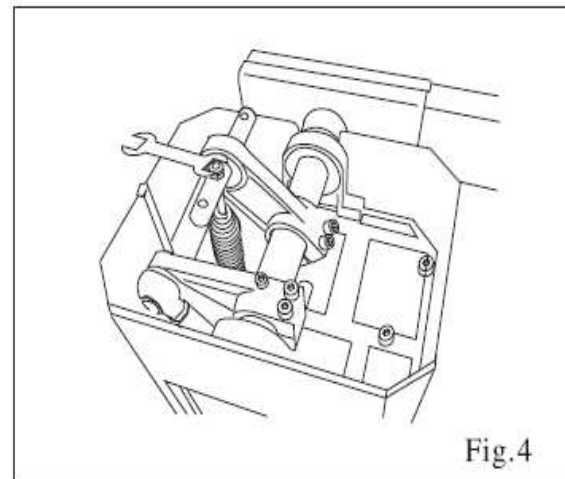
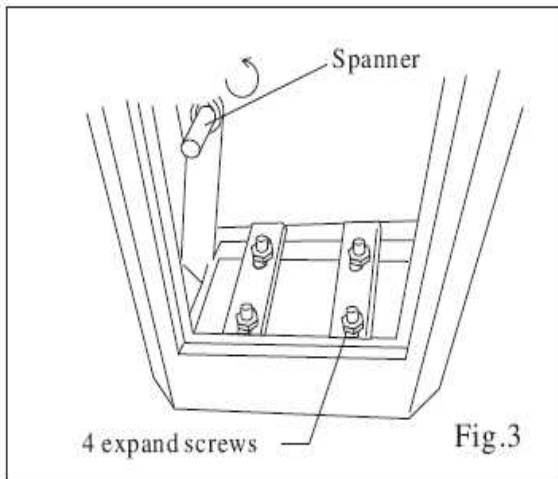
Should a fine adjustment of the beam balance be needed, proceed as follows:

- 1) Rotate the Spanner then open the cover (Fig.3).
- 2) Adjust the pre-loading ring nut (Fig.4).

The beam is correctly balanced when it remains steady in the 0 and 90 positions.

If the beam tends to close, turn the ring nut clockwise.

If it tends to open, turn the ring nut counterclockwise.

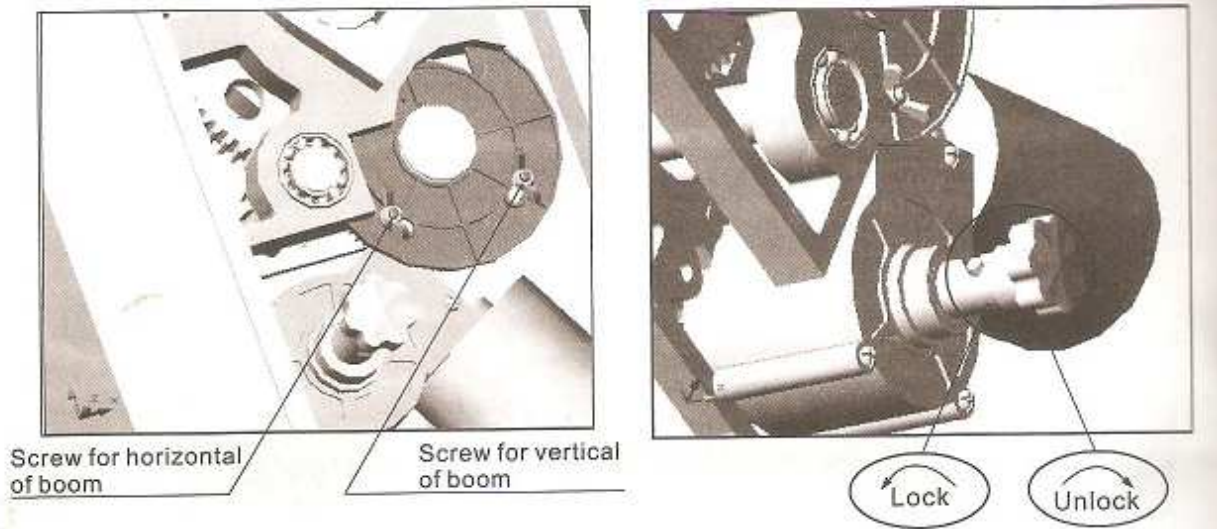


### *NUMBER OF BALANCE SPRING*

BOOM LENGTH	NUMBER OF SPRING	SPRING LENGTH
3m	1	440mm
4m--4.5m	2	440mm
5m--6m	3	440mm

## QUICK RELEASE FUNCTIONS:

During power failure, and in the absence of UPS or back-up power, you need to switch off the main switch and release the lever manually up to TOP or vertical position, then Lock it, and once the power is back, please switch on the main switch and the barrier boom automatically goes down at normal state. Please see Fig.5



All limit switches, motor, and control unit are already connected and only photocell, loop detector, and power supply AC source are needed for the proper installation as shown below:

